[illegible]

[illegible]

[illegible]

1. [illegible]

(1) [illegible]______[illegible].

(2) [illegible]

① $W=qEd$ [illegible] d [illegible]__________[illegible].

② $W_{AB}=qU_{AB}$ [illegible]__________.

2. [illegible]

(1) [illegible]________[illegible].

(2) [illegible].

3. [illegible]

(1) [illegible]______[illegible] W_{AB} [illegible] E_{pA} [illegible] E_{pB}.

(2) [illegible] W_{AB} [illegible] E_{pA} [illegible] E_{pB} [illegible]____[illegible]

[illegible]______[illegible].

(3) [illegible] W_{AB} [illegible] E_{pA} [illegible] E_{pB} [illegible] E_{pB} [illegible] 0 [illegible] E_{pA} [illegible] W_{AB} [illegible]

[illegible].

[illegible]

[illegible] [illegible]

[illegible] E_p [illegible]

1. [illegible]

(1) [illegible]________[illegible] [illegible].

[illegible]

(2) [illegible] φ [illegible] $\frac{E_p}{q}$.

(3) [illegible]____[illegible] [illegible]([illegible])[illegible]([illegible]).

(4) [illegible]________[illegible] [illegible].

★[illegible] 1. [illegible] ([illegible]) [illegible]

2. [illegible] -2v [illegible] -5v [illegible] -2J [illegible] -5J [illegible]

[illegible]

2. [illegible]

(1) [illegible]____[illegible]____[illegible].

(2) [illegible]

① [illegible]____[illegible]____.

② [illegible]____[illegible]____[illegible].　[illegible]

③ [illegible]____[illegible]____[illegible]____.　[illegible]

④ [illegible].

□ □□□

1. □□□□□□□□□□□□ A □□□□□ B □□□□□□□□□ W_{AB} □□□□□□________□□□.

□□□ q

2. □ □ □ □ U_{AB} $\frac{W_{AB}}{q}$ □

□□□□□

3. □□□□________.

□□□ U_{AB} □________□□□□□□□□□ q □□□□□□□ W_{AB}________□□□□□

□□□□□□□

□□

□□□□________.

□□

4. □□□□□□□□□□ U_{AB} □________□ U_{AB} □□ U_{BA}.

φ_A □ φ_B

□□□□ **31** □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
□□□□□

[illegible] *a*[illegible] *b*[illegible] *c*[illegible] *d*[illegible] *f*[illegible] *b* [illegible] 2 V. [illegible] *a* [illegible] 10 eV [illegible] *a* [illegible] *d* [illegible] 6 eV. [illegible]

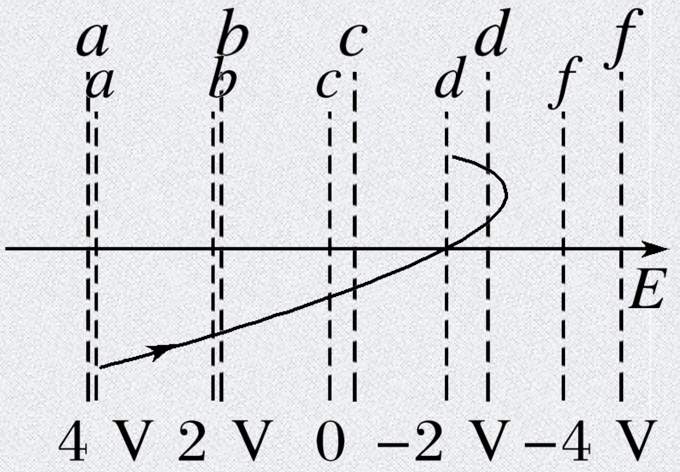
√ A. [illegible] *c* [illegible]

√ B. c [illegible] 6ev

C. [illegible] *d* [illegible] -2eV

D. [illegible] *b* [illegible] *d* [illegible] 2 [illegible]

[illegible]



[illegible]

[illegible]

[illegible] xOy [illegible] a [illegible] b [illegible] c [illegible] d [illegible] cd [illegible] cb [illegible] x [illegible] y [illegible] a [illegible] b [illegible] c [illegible] 4 V [illegible] 8 V [illegible] 10 V [illegible] q [illegible] 2×10^{-5} C [illegible] a [illegible] $abcd$ [illegible]（ ）

A. [illegible] O [illegible] 6 V

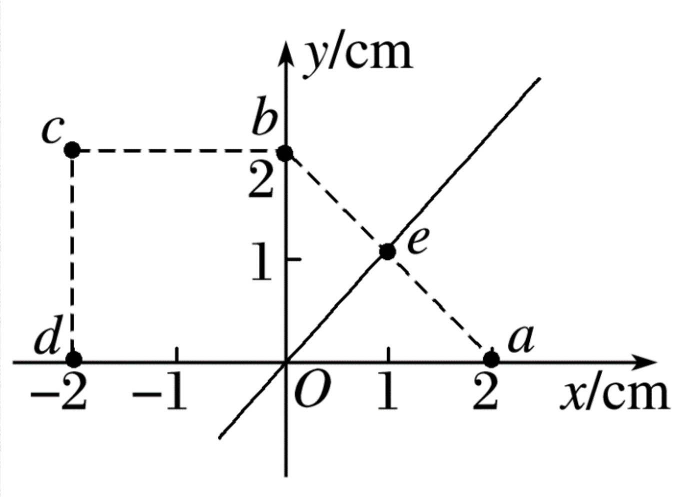
√

B. [illegible] $\sqrt{2}$ V/m

C. [illegible] c [illegible] 2×10^{-4} J

D. [illegible] a [illegible] d [illegible] 8×10^{-5} J

√



[illegible] U [illegible]

[illegible] E [illegible]

[illegible]

B [illegible]

D [illegible]

[illegible]　[illegible]

[illegible] a [illegible] b [illegible] c [illegible] d [illegible] m [illegible] q [illegible] A [illegible] B [illegible] A [illegible] v_1 [illegible] B [illegible] v_2 [illegible] .A [illegible] B [illegible] L [illegible] θ [illegible]

A. [illegible]

B. [illegible]

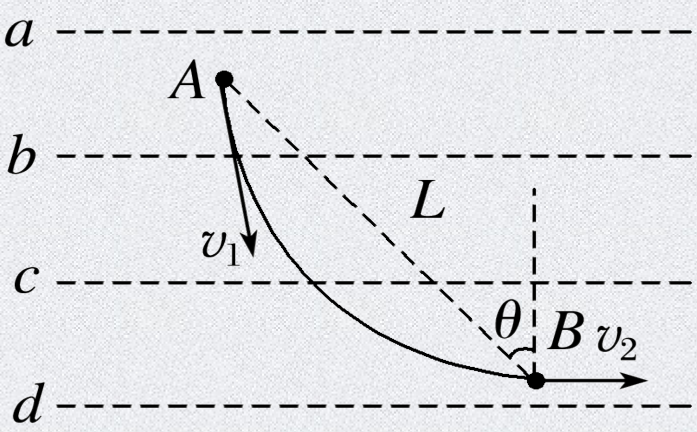
√ C. [illegible] B [illegible] A [illegible]

√ D. [illegible] b [illegible] d [illegible]

[illegible]

$$\frac{m(v_1^2 \square v_2^2)}{2qL\cos\theta}$$

[illegible]



C [illegible]

AD [illegible]